EN

HYUNDAI

GASOLINE POWER GENERATORS

Basic HY3000I HY6000I HY7000I HY9000I
Economic HY2500 HY3100 HY6000 HY7000 HY9000
Professional HY2500L(S) HY3100L(S)(E) HY6000L(S)(E)
HY7000L(S)(E)-(3) HY9000L(S)(E)-(3)

USER MANUAL

CHECK CAREFULY THIS USER MANUAL IN ORDER TO AVOID INJURIES

MADE UNDER LICENSE OF HYUNDAI CORP. SEOUL, KOREA

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1. SAFETY INFORMATION

Before use of the machine please read carefully this manual

Any use of the generator without reading this manual could cause hard damage to the machine o can hurt yourself seriously

Pay special attenction to the next:

- Do not use the generator in a non ventilated area
- Do not use the generators in wet conditions
- Do not start the generator when device plug.
- Keep at least 1 meters from flammable objects
- Do not refill the fuel tank with the generator running
- Do not smoke when fuel refill
- Do not overfill the fuel

SAFETY GUARDS:

1. Do not use kerosene or other fuel, only use gasoline fuel. Clean all the excess of fuel when refill.

2. Any flammable or explosive product shall be kept away from the generator, due to the high temperature of the engine.

3. Install your group on a flat, horizontal surface, to avoid spillage of gasoline.

4. Inhalation of exhaust gas:

The exhaust gases contain poisonous carbon monoxide. Never use the group in a poorly ventilated area

5. Never touch the exhaust when the generator is running or after starting.

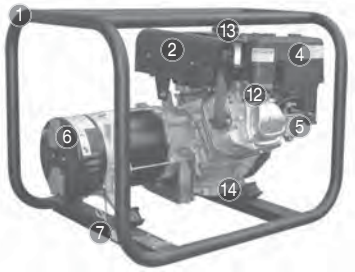
6. Short circuits:

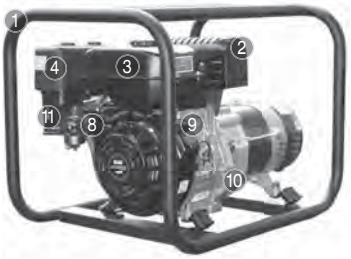
Do not touch your group with wet hands. The generator is not waterproof, so it should not be exposed to water or snow.

7. Other safety points:

Yon must know how to absolutely stop your group before using it. Never allow someone to use the generator without having read the manual! Always wear a safety shoes and keep you always ready to clean rags. Keep children and pets away

2. COMPONENTS





1 Frame
2 Muffler
3 Fuel tank
4 Air filter
5 Carburetor
6 Sockets
7 Earth connection
8 Recoil starter
9 On/Off switch
10 Oil dip
11 Fuel valve
12 Spark plug
13 Fuel tank
14 Oil drain

1 Frame
2 Muffler
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8 Recoil starter
9 On off swich / Key contactor
10 Oil dip stick
11 Fuel valve
12 Spark plug
13 Fuel tank
14 Oil drain

3. CHECK BEFORE USE

Control the oil level when the unit is off.

1. Take the dipstick and wipe with a clean cloth.
2. Place the dipstick without turning.
3. Check the level on the dipstick mark
3. If the level is below the mark, fill to the mark
4. Screw the dipstick

Fuel level

1. Open the fuel cap of the fuel tank
2. Check the level of the fuel
3. Fill with fuel up to the prime fuel filter
4. Screw the fuel cap

Air filter

1. Loosen the filter housing and remove the air filter
2. Remove the screw and washer, and remove the filter element
3. Remove filter
4. Clean it with water, do not use soup
5. Dry the filter complete and place it again in the filter housin.
6. Tight the filter housing

4. START OF THE ENGINE

1. Before start the engine, do not connect to device.
2. Place the fuel valve on "ON"
3. Place the starter in position "OPEN"
4. Set switch to "ON"

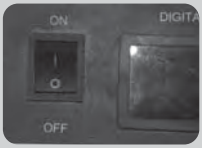
5a. MANUAL START: Slowly pull the starter until it becomes "harder" then yank.

5b. ELECTRIC START: Turn the key to the start position and them relase

6. Replace the Starter in place

PRECAUTIONS

1. Do not conectec several devices at the same time
2. Run your generator for about 3 minutes without connecting devices.
3. All appliances require a higher power at startup. Ask your dealer to check if your generator is suitable for your appliance
4. Connect one device after the other, respecting the maximum power allowed for your generator.
5. Be sure all appliances are in good working condition before connecting to the Group.
6. If a device does not work anymore or stops suddenly, stop IMMEDIATELY using the main switch and unplug the unit and check. Do not forget to desconnect any device before stop the generator. Stop the generator with power connected can damage the machine
7. If the value on the voltmeter is too high, stop the machine and check the dysfunction. If the value shown on the voltmeter is 230V + / - 10% (50 Hz), the generator can be restarted.
8. DC: Do not use the 12V along with the 230. Connection to the DC should be used for loading "rechargeable" 12V. When charging batteries, make sure the correct polarity (+ to + and - to -). Make the connection to the battery first, then your generator.
9. Connecting your generator on a network requires the intervention of an electrician.
10. The improper connection of the latter can cause serious damage.



5. STOP THE ENGINE

Turn off power connected to the generator

Set the switch to "OFF"

Turn the fuel valve to "OFF"

Note

In case of emergency to stop your group's position switch to "OFF"

6. MAINTENANCE

It is very important to effecuer following maintenance controls and to ensure the proper functioning of your group.

The Group consists of the gasoline engine and an AC generator, frame, etc..

Stop the unit before any maintenance. Make sure your group is located in a ventilated area to avoid carbon monoxide poisoning.

Clean your group with a dry cloth to prevent corrosion on it.

Element	Every day	Every month or every 20h	Every 3 month or every 50h	Every 6 months or every 100h	Every year or every 300h
Check oil level	o Check				
Change oil		o Replace		o Replace	
Check air filter	o Check				
Clean fuel filter			o Clean		
Oil carte				o Clean	
Oil filter				o Clean	
Spark plug				o Clean	
Spark plug					o Check and asjust
Spark plug					o Clean
Fuel tank	Replace every 3 yearsor when necesary				

6. MAINTENACE

Replace engine oil

1. Unscrew and remove the dipstick
2. Unscrew the drain plug and drain the oil in the crankcase.
3. Tighten the drain plug after drained.
4. Fill the crankcase until the maximum level gauge
5. Reposition the dipstick and tighten.

It is recomend to run the engine for 15min before replace the oil

Oil tipe:

4-stroke gasoline engine oil recommended SAE 10W-30

Air Filter

1. Undo or loosen the filter housing and remove the air filter
2. Remove the screw and washer, and remove the filter element
3. Remove filter
4. Clean it with water and dry complete
5. Place the filter in the housing
6. Filx the housing

6. MAINTENANCE

SPARK PLUG

1. Disconnect the spark plug cable
2. Unscrew and remove the spark plug housing
3. Clean the spark plug with a wire brush
4. Check the electrode gap
5. Screw the spark plug and its connect cable

Spark plu type:

F6RTC or F7RTC

FUEL FILTER

1. Position fuel valve to "OFF" and remove the fuel filter
2. Clean fuel filter
3. Replace the O-ring tank after cleaning to ensure tightness.

HIVERNAGE

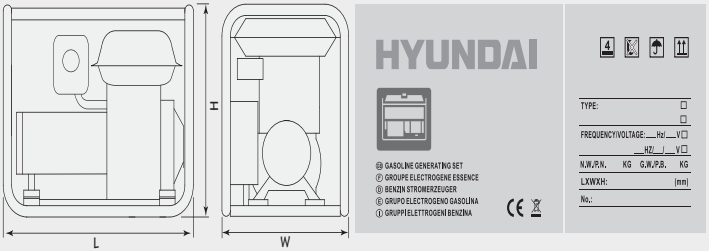
In case of prolonged storage of your generator do the following:

1. Unscrew the screw of the carburetor bowl to empty its contents.
2. Unscrew the oil drain screw and drain the oil from the crank-case
3. Screw the oil cap after refilling with new oil
4. Fill the oil to the max.
5. Slowly pull up the pitcher has to feel a hard spot (this operation is intended to close the valves and prevent corrosion in your engine).

7. PROBLEM/SOLUTIONS

CASE		SOLUTION
The Engine does not start	- No oil in the engine	- Oil level is too low
	- Main switch in not in on position	- positionner l'interrupteur principal sur "ON"
	- Fuel valve close/not fuel	- Open the fuel valve, fill fuel in the fuel tank
	- There is no ignition	- Check ignition coil and spark plug
	- Spark plug fouled	- Clean the spark plug with a metal brush
The generator is not giving power	- The main circuit breaker is not in ON position	- Place main circuit breaker to on position. UP
	- Plugs on the generator	- Check the plugs are in good conditions
	- The engine speed is not enought	- Check with your dealer

7. SPECIFICATION - Open Basic



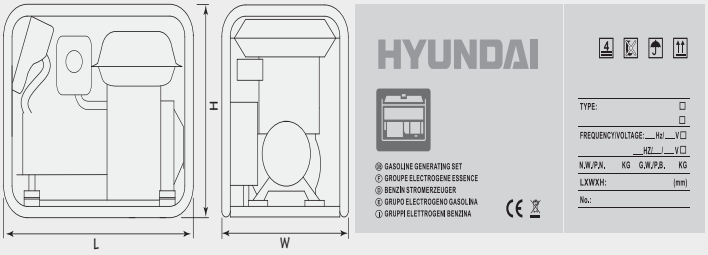
Model	Product Size (mm)			Packaging Size (mm)			Package Material
	Length	width	height	Length	width	height	
HY3000I	610	450	460	640	480	490	Carton
HY6000I	720	520	540	750	550	590	Carton
HY7000I	720	520	540	750	550	590	Carton

	Generator Model	HY3000I	HY6000I	HY7000I
Generator Set	Frequency (Hz)	50	50	50
	Rated Power	2.5 kW	4.0 kW	5.0 kW
	Max.Power	2.8 kW	4.4 kW	5.5 kW
	Voltage (V)	230	230	230
	Current (A)	12	19.1	24
	Sockets	2x16A	2x16A	2x16A
	Display	-	-	-
	Fuel Tank Capacity (L)	3.6	6.5	6.5
	Running Time under 50% Load (hr.)	7	7.5	7.3
	Noise Level behind 7 Meters 50% Load (dBA)	67	68	68.5
	DC Output (V/A)	-	-	-
	Battery (Ah)	-	-	-
Engine	Engine Type	Gasoline	Gasoline	Gasoline
	Engine	IC210	IC340	IC390
	Power Output (HP)	6.5	11.0	13.0
	Start Method	Manual start	Manual start	Manual start
	Displacement (ml)	212	337	389
	Oil Capacity (L)	0.6	1.1	1.1
Alternator	Alternator	A25I	A4I	A5I
	Rated Power (kVA)	2 .5	4	5
	Power Factor (Cosφ)	1	1	1
	Voltage Regulation	AVR	AVR	AVR
Log.data	N.W.(kg)	39	65	66
	G.W.(kg)	42	68	69
	Loading capacity 20/40/40HQ	168/348/432	122/257/257	122/257/257

HY-gasoline generator set I-Basic serie

● ***Specifications are subject to continuous product delevopment***

7. SPECIFICATIONS - Open economic



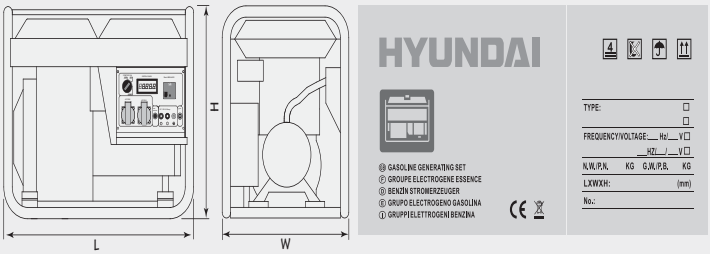
Model	Product Size (mm)			Packaging Size (mm)			Package Material
	Length	width	height	Length	width	height	
HY2500	590	450	500	620	480	530	Carton
HY3000	590	450	500	620	480	530	Carton
HY6000	700	530	550	730	560	580	Carton
HY9000	700	530	550	730	560	580	Carton

	Generator Model	HY2500	HY3100	HY6000	HY9000
Generator Set	Frequency (Hz)	50	50	50	50
	Rated Power	2 kW	2.5 kW	4 kW	6 kW
	Max.Power	2.2 kW	2.8 kW	4.4	6.6 kW
	Voltage (V)	230	230	230	230
	Current (A)	9.5	12.1	19.1	26
	Sockets	2x16A	2x16A	2x16A	1x16A & 1x 32A *(1)*
	Display	LED4	LED4	LED4	LED4
	Fuel Tank Capacity (L)	3.6	3.6	6.5	6.5
	Running Time under 50% Load (hr.)	7	6.8	6.5	6
	Noise Level behind 7 Meters 50% Load (dBA)	67	67	68	68
	DC Output (V/A) *(2)*	12 / 8.3	12 / 8.3	12 / 8.3	12 / 8.3
	Battery (Ah)	-	-	-	-
Engine	Engine Type	Gasoline	Gasoline	Gasoline	Gasoline
	Engine	IC210	IC210	IC340	IC425
	Power Output (HP)	6.5	6.5	11.0	16.0
	Start Method	Manual start	Manual start	Manual start	Manual start
	Displacement (ml)	212	212	337	420
	Oil Capacity (L)	0.6	0.6	1.1	1.1
Alternator	Alternator	A2C	A3C	A4C	A6C
	Rated Power (kVA)	2	2.5	4	6
	Power Factor (Cosφ)	1	1	1	1
	Voltage Regulation	AVR	AVR	AVR	AVR
Log.data	N.W.(kg)	40	42	79	81
	G.W.(kg)	42	44	81	84
	Loading capacity 20/40/40HQ	177/373/436	177/373/436	124/256/256	124/256/256

(1) Single phase socket thermal protected
(2) 100W max. output. 10A fuse protection

HY-gasoline generator set
Specifications are subject to continuous product delevopment

7. SPECIFICATIONS - Open Professional



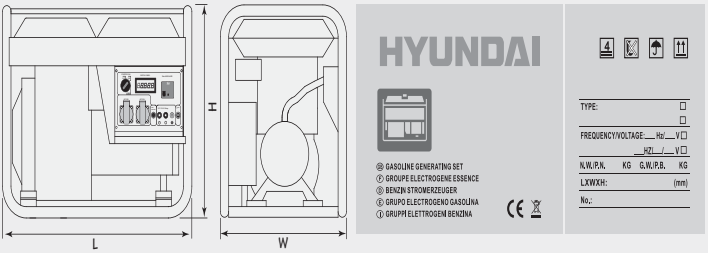
Model	Product Size (mm)			Packaging Size (mm)			Package Material
	Length	width	height	Length	width	height	
HY2500L	610	490	490	640	510	510	Carton
HY3100L(E)	610	490	490	640	510	510	Carton
HY6000L(E)	670	540	555	700	570	585	Carton
HY7000L(E)(3)	670	540	555	700	570	585	Carton

	Generator Model	HY2500L	HY3100L(E)	HY6000L(E)	HY7000L(E)	HY7000LE-3
Generator Set	Frequency (Hz)	50	50	50	50	50
	Rated Power	2.0 kW	2.5 kW	4.0 kW	5.0 kW	6.2 kVA
	Max.Power	2.2 kW	2.8 kW	4.4 kW	5.5 kW	6.8 kVA
	Voltage (V)	230	230	230	230	400
	Current (A)	9.5	12.1	19.1	24	9.9
	Sockets	2x 16A	2x 16A	2x 16A	2x 16A	1x16A
	Display	LED4	LED4	LED4	LED4	LED4
	Fuel Tank Capacity (L)	13	13	25	25	25
	Running Time under 50% Load (hr.)	22	20	23	22	20
	Noise Level behind 7 Meters 50% Load (dBA)	67	67	68	68	68
	DC Output (V/A) *(2)*	12 / 8.3	12 / 8.3	12 / 8.3	12 / 8.3	12 / 8.3
	Battery (Ah)	-	17	17	17	17
Engine	Engine Type	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline
	Engine	IC210	IC210	IC340	IC390	IC390
	Power Output (HP)	6.5	6.5	11.0	13	13
	Start Method	Manual	Manual / elec. start	Manual / elec. start	Manual / elec. start	Elec. start
	Displacement (ml)	212	212	337	389	389
	Oil Capacity (L)	0.6	0.6	1.1	1.1	1.1
Alternator	Alternator	A2L	A3L	A4L	A5L	A5L-3
	Rated Power (kVA)	2	2.5	4	5	6.2
	Power Factor (Cosφ)	1	1	1	1	0.8
	Voltage Regulation	AVR	AVR	AVR	AVR	AVR
Log.data	N.W.(kg)	42	43	82	84	84
	G.W.(kg)	45	46	85	87	87
	Loading capacity 20/40/40HQ	158/330/410	158/330/410	124/256/256	124/256/256	124/256/256

(1) 16A phase socket thermal protected
(2) 100W max. output. 10A fuse protection

HY-gasoline generator set L-large fuel tank E-electric start -3-three phase
Specifications are subject to continuous product delevopment

7. SPECIFICATIONS - Open Professional



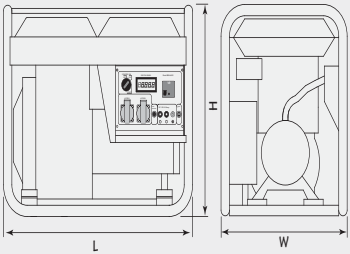
Model	Product Size (mm)			Packaging Size (mm)			Package Material
	Length	width	height	Length	width	height	
HY9000LE	670	540	555	700	570	585	Carton
HY9000LE-3	670	540	555	700	570	585	Carton

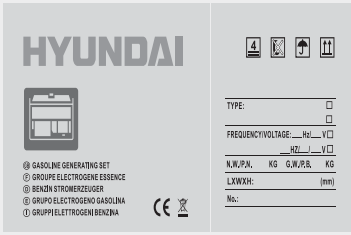
	Generator Model	HY9000LE	HY9000LE-3
Generator Set	Frequency (Hz)	50	50
	Rated Power	6 kW	7.5 kVA
	Max.Power	6.6 kW	8.2 kVA
	Voltage (V)	230	400
	Current (A)	28.7	11.9
	Sockets	1x 16A & 1x 32A *(1)*	1x16A 3P & 1x16 1P *(1)*
	Display	LED4	LED4
	Fuel Tank Capacity (L)	25	25
	Running Time under 50% Load (hr.)	19	19
	Noise Level behind 7 Meters 50% Load (dBA)	69	69
	DC Output (V/A) *(2)*	12 / 8.3	12 / 8.3
	Battery (Ah)	17	17
Engine	Engine Type	Gasoline	Gasoline
	Engine	IC425	IC425
	Power Output (HP)	15	15
	Start Method	Elec. start	Elec. start
	Displacement (ml)	420	420
	Oil Capacity (L)	1.1	1.1
Alternator	Alternator	A6L	A6L-3
	Rated Power (kVA)	6	7.5
	Power Factor (Cosφ)	1	0.8
	Voltage Regulation	AVR	AVR
Log.data	N.W.(kg)	86	86
	G.W.(kg)	89	89
	Loading capacity 20/40/40HQ	124/256/256	124/256/256

(1) 16A single phase socket thermal protected
(2) 100W max. output. 10A fuse protection

HY-gasoline generator set L-large fuel tank E-electric start -3-three phase
Specifications are subject to continuous product delevopment

7. SPECIFICATIONS - Semi Silent Professional





Model	Product Size (mm)			Packaging Size (mm)			Package Material
	Length	width	height	Length	width	height	
HY3100S/SE	610	485	470	630	505	500	Carton
HY6000S/SE	610	485	470	630	505	500	Carton
HY7000SE	720	530	580	740	550	610	Carton
HY7000SE-3	720	530	580	740	550	610	Carton
HY9000SE	720	530	580	740	550	610	Carton
HY9000SE-3	720	530	580	740	550	610	Carton

	Generator Model	HY3100S(E)	HY6000S(E)	HY7000SE	HY7000SE-3	HY9000SE	HY9000SE-3
Generator Set	Frequency (Hz)	50	50	50	50	50	50
	Rated Power	2.5 kW	4.0 kW	5.0 kW	6.2 kVA	6 kW	7.5 kVA
	Max.Power	2.8 kW	4.4 kW	5.5 kW	6.8 kVA	6.6 kW	8.2 kVA
	Voltage (V)	230	230	230	400	230	400
	Current (A)	12.1	19.1	24	9.9	28.7	11.9
	Sockets	2x 16A	2x 16A	2x 16A	1x16A	1x 16A & 1x 32A *(1)*	1x 16A 3P & 1x 16 1P *(1)*
	Display	LED4	LED4	LED4	LED4	LED4	LED4
	Fuel Tank Capacity (L)	13	25	25	25	25	25
	Running Time under 50% Load (hr.)	20	23	22	20	19	19
	Noise Level behind 7 Meters 50% Load (dBA)	66	67	67	67	68	68
	DC Output (V/A) *(2)*	12 / 8.3	12 / 8.3	12 / 8.3	12 / 8.3	12 / 8.3	12 / 8.3
	Battery (Ah)	17	17	17	17	17	17
Engine	Engine Type	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline
	Engine	IC210	IC340	IC390	IC390	IC425	IC425
	Power Output (HP)	6.5	11.0	13	13	15	15
	Start Method	Manual / elec. start	Manual / elec. start	Elec. start	Elec. start	Elec. start	Elec. start
	Displacement (ml)	212	337	389	389	420	420
	Oil Capacity (L)	0.6	1.1	1.1	1.1	1.1	1.1
Alternator	Alternator	A3L	A4L	A5L	A5L-3	A6L	A6L-3
	Rated Power (kVA)	2.5	4	5	6.2	6	7.5
	Power Factor (Cosφ)	1	1	1	0.8	1	0.8
	Voltage Regulation	AVR	AVR	AVR	AVR	AVR	AVR
Log.data	N.w.(kg)	45	84	86	86	88	88
	G.W.(kg)	48	87	89	89	91	91
	Loading capacity 20/40/40HQ	158/330/410	124/256/256	124/256/256	124/256/256	124/256/256	124/256/256

(1) 16A phase socket thermal protected
(2) 100W max. output. 10A fuse protection

HY-gasoline generator set S-semi silent type E-electric start -3-three phase
Specifications are subject to continuous product delevopment

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